$$O Cost = \begin{cases} P_i & C_0 \\ P_i & C_1 \\ P_k & C_k \end{cases}$$

$$P_i & C_k \\ P_i & C_k \\ P_i & C_k \end{cases}$$

$$\sum_{i=1}^{k} C_i * P_i$$

$$\sum_{i=1}^{k} C_i * P_i$$

$$P_0 - P_{k-1} = Q_0 > 0$$

$$P_1 - P_{k-1} = Q_1$$

$$P_2 - P_{k-1} = Q_1$$

$$P_3 - P_{k-1} = Q_1$$

T 1/k = Uk. < 0

$$\sum_{i=1}^{k} C_{i} * P_{k-i} > \sum_{i=1}^{k} C_{i} * (Q_{i} + P_{k-i})$$

$$> \sum_{i=1}^{k} C_{i} * Q_{i} + \sum_{i=1}^{k} C_{i} * P_{k-i}$$

$$\bigvee_{i \in N_i} k \in \mathcal{Q}_i \times \mathcal{Q}_i < 0.$$

$$Cost_{k} = \sum_{i=1}^{k} \gamma_i * C_i$$

money
$$k = \begin{cases} \sum_{i=1}^{k} C_i \\ \end{cases} * P_{k-1}$$

money, > Cost = -

$$C_{1} \times P_{2} + C_{2} \times P_{4} + C_{3} \times P_{2} > C_{1}P_{1} + C_{2}P_{3}$$

$$C_{1} \left(P_{1} - P_{1}\right) > C_{3} \left(P_{3} - P_{2}\right)$$

$$C_{1} \left(P_{1} - P_{1}\right) < C_{3} \left(P_{2} - P_{3}\right)$$

$$C_{3} > C_{1} \times \frac{P_{1} - P_{2}}{P_{2} - P_{3}}$$

$$C_{3} > C_{1} \times \frac{W_{1}}{W_{2}}$$

$$C_{3} > C_{1} \times \frac{W_{1}}{W_{2}}$$

$$C_{4} > C_{5} > C_{1} \times \frac{W_{1}}{W_{2}}$$

$$\begin{array}{c} P_1 \\ P_2 \\ P_3 \\ P_4 \\ P_5 \\ \end{array}$$

$$\begin{array}{c} W_1 \\ W_2 \\ P_4 \\ \end{array}$$

$$\psi_i = P_i - P_{i+1}$$

$$C_{1} \times P_{3} + C_{1} \times P_{3} + C_{4} \times P_{5} > C_{1} P_{1} + C_{1} P_{2} + C_{4} P_{4}$$

$$-W_{1} = P_{1} - P_{2}$$

$$-W_{2} = P_{2} - P_{3}$$

$$-W_{3} = P_{3} - P_{4}$$

$$(4(P_3-P_4)+C_1(P_3-P_2)+C_1(P_3-P_1)>0$$

$$C_{\varphi}\left(\left|\frac{P_{3}-P_{4}}{P_{3}}\right)>C_{1}\left(\left|\frac{P_{1}-P_{3}}{P_{3}}\right)+\left(\frac{P_{2}-P_{3}}{W_{2}}\right)$$

$$W_{1}+W_{2}$$

$$W_{2}$$

$$\frac{C_4 W_3}{C_1} > C_1 \left(W_1 + W_2 \right) + C_2 W_2$$

$$C_{\gamma} > \frac{C_{1} W_{1} + (C_{1} + C_{2}) W_{2}}{W_{3}}.$$

$$C_{1} W_{1} + (C_{1} + C_{1}) W_{2}$$

$$\binom{3}{3} > \binom{1}{3} \times \frac{W_1}{W_2} \times \frac{W_2}{W_2} \times \frac{W_1}{W_2}$$

$$C_{k} > \frac{\sum_{i=1}^{k-2} \left(W_{i} \times \sum_{j=1}^{i} C_{j} \right)}{W_{k-1}}$$

P.

